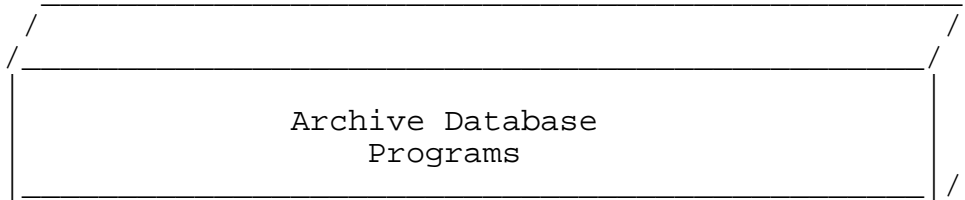


arcmenu

User Documentation

The arcmenu program creates a menu system that allows access to most of the programs available in the RFC Archive System. It is a simple text based menu created in tcl/tk. The following shows the options available on the four menus - Main Menu, Other Viewing/Extraction Menu, SHEF Encoding Menu, and Data Processing Menu.



1. `DatView` -- view and edit archive data
2. `ff_oper_view` -- flat file viewer
3. `Display_rc` -- rating curve viewer

```
V.  Other Viewing/Extraction menu          S.  SHEF Encoding menu
P.  Data Processing menu

Q   quit
```

ENTER Selection: V

-----> Other Viewing/Extraction <-----

- ```
1. forms -- invoke ISQL forms for DB table access
 B. build new forms
 U. update existing forms with new db_name
```

2. `dcextract --extract` data and format into DATACARD fmt

```

M. Main menu S. SHEF Encoding menu
P. Data Processing menu
Q. quit

```

ENTER Selection: S

-----> SHEF Encoding <-----

1. dcparse -- output SHEF from DATACARD
2. nrdsdlyparse -- output SHEF from NRCS historical fmt
3. usgsdlyparse -- output SHEF from USGS daily fmt

M. Main menu                      V. Other Viewing/Extraction menu  
P. Data Processing menu  
Q. quit

ENTER Selection: P

-----> Data Processing <-----

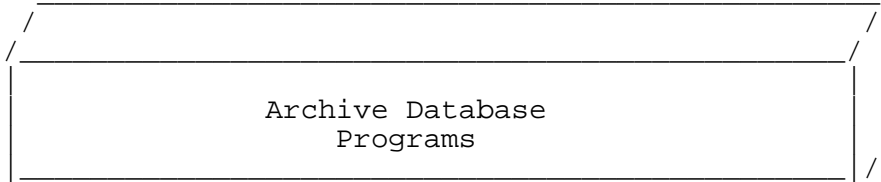
1. process\_precip -- process precip (PC -> PP)
2. process\_stage -- process stage (height -> flow,storage)
3. process\_temp -- process temperature (TA -> TA,TX,TN)
4. process\_sw -- process swe
5. process\_flow -- process flow
6. transfer\_txn -- (TX,TN -> TX,TN)
7. transfer\_precip -- (PP -> PP)

M. Main menu                      S. SHEF Encoding menu  
V. Other Viewing/Extraction menu  
  
Q. quit

## System Documentation

The menu system for the archive db system was designed to be simple and configurable. When the user types in the name of the menu system, i.e. arcmenu, the program searches the apps-defaults system to find the directory where the menu files are stored. The initial menu is called arc.menu. Here is the /rfc-arc/cfg/menu/arc.menu file:

```
this is the first menu for the menu program
the ! in the first column specifies a menu instruction
fields are separated by the | (pipe) symbol
the 1st field is the menu choice
the 2nd field is the program name
- a full pathname may be used if desired
the 3rd field is command line arguments for the program
the 4th field is a wait indicator - so the menu will ask for
- a CR after the program has completed and before clearing the screen.
#
the listmenu command lists another menu, spacing is critical for this,
see implementation below
#
every line without a ! or # in the first column is printed
to stdout
the ! lines can be anywhere in the file (e.g. grouped at the bottom)
```



1. DataView -- view and edit archive data
2. ff\_oper\_view -- flat file viewer
3. Display\_rc -- rating curve viewer

V. Other Viewing/Extraction menu      S. SHEF Encoding menu  
P. Data Processing menu

Q quit

```
#
#
! 1 | datview | | |
! 2 | /rfc_arc/bin/fam/ff_oper_view.tcl | | |
! 3 | display_rc | | |
! q | exit |
! v | listmenu otherdb.menu|
! p | listmenu dataproc.menu|
! s | listmenu shef.menu|
! m | listmenu arc.menu|
```

The menu program will read this file and write to stdout any line that does not begin with an exclamation point or a pound sign. Any line that begins with an exclamation point is menu instruction consisting of four fields separated by the pipe symbol. The 1st field is the menu choice, the 2nd field is the program name ( a full pathname may be used if desired), the 3rd field is command line arguments for the program, and the 4th field is a wait indicator (so the menu will ask for a CR after the program has completed and before clearing the screen). The listmenu command in the 1<sup>st</sup> field is a special instruction to the menu program which directs it to list another menu. Sub-menus may be implemented in this fashion and there is no limit to the levels of sub-menus you may have. Here is a sub-menu file:

```
-----> Data Processing <-----

1. process_precip -- process precip (PC -> PP)
2. process_stage -- process stage (height -> flow,storage)
3. process_temp -- process temperature (TA -> TA,TX,TN)
4. process_sw -- process swe
5. process_flow -- process flow

6. transfer_txn -- (TX,TN -> TX,TN)
7. transfer_precip -- (PP -> PP)

M. Main menu S. SHEF Encoding menu
V. Other Viewing/Extraction menu
```

```

 Q. quit
#
#
! 1 | process_precip | | |
! 2 | process_stage | | |
! 3 | process_temp | | |
! 4 | process_sw | | |
! 5 | process_flow | | |
! 6 | transfer_txn | | |
! 7 | transfer_precip | | |
! m | listmenu arc.menu |
! v | listmenu otherdb.menu |
! s | listmenu shef.menu |
! q | exit |

```

Note that entry points are defined to return to the main menu or to list other menus.